

FORM PTO-1390 (REV 1-98)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER 81864.0078	
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371				U.S. APPLICATION NUMBER (if known, see 37 C.F.R. 1.5) 10/559,740 Not assigned	
INTERNATIONAL APPLICATION NO. PCT/JP2004/013106		INTERNATIONAL FILING DATE September 9, 2004		PRIORITY DATE CLAIMED September 25, 2003	
TITLE OF INVENTION Piezoelectric Ceramic Composition and Piezoelectric Element					
APPLICANT(S) FOR DO/EO/US Masakazu HIROSE, Tomohisa AZUMA, Yasuo NIWA, and Masaru ABE					
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:					
<p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).</p> <p>4. <input type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))</p> <p>a. <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</p> <p>b. <input checked="" type="checkbox"/> has been transmitted by the International Bureau.</p> <p>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input checked="" type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)).</p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <p>a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</p> <p>b. <input type="checkbox"/> have been transmitted by the International Bureau.</p> <p>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p>d. <input type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p> <p><b>Items 11. to 16. below concern document(s) or information included:</b></p> <p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98.</p> <p>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.</p> <p>13. <input type="checkbox"/> A <b>FIRST</b> preliminary amendment.</p> <p><input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</p> <p>14. <input type="checkbox"/> A substitute specification.</p> <p>15. <input type="checkbox"/> A change of power of attorney and/or address letter.</p> <p>16. <input type="checkbox"/> Other items or information:</p>					

U.S. APPLICATION NO. (if known, see 37 C.F.R. 1.5) <b>200503740</b> Not assigned		INTERNATIONAL APPLICATION NUMBER PCT/JP2004/013106		ATTORNEY'S DOCKET NUMBER 81864.0078																																					
17. <input checked="" type="checkbox"/> The following fees are submitted: <b>BASIC NATIONAL FEE (37 C.F.R. 1.492(a)(1)-(5)):</b> Basic National Fee ..... \$300 National Stage Search Fee ..... \$400 National Stage Examination Fee ..... \$200 <div style="text-align: right; margin-top: 10px;"><b>TOTAL FEE AMOUNT =</b></div>					<b>CALCULATIONS PTO USE ONLY</b>      																																				
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. 1.492(e)).					\$ 900.00																																				
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">CLAIMS</th> <th style="width: 15%;">NUMBER FILED</th> <th style="width: 15%;">NUMBER ALLOWED</th> <th style="width: 15%;">NUMBER EXTRA</th> <th style="width: 15%;">RATE</th> <th style="width: 15%;"></th> </tr> </thead> <tbody> <tr> <td>Total claims</td> <td style="text-align: center;">20</td> <td style="text-align: center;">20</td> <td style="text-align: center;">0</td> <td>X \$50.00</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Independent claims</td> <td style="text-align: center;">3</td> <td style="text-align: center;">3</td> <td style="text-align: center;">0</td> <td>X \$200.00</td> <td style="text-align: center;">0</td> </tr> <tr> <td colspan="4">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td>X \$360.00</td> <td style="text-align: center;">360.00</td> </tr> <tr> <td colspan="3">SIZE FEE 43 (TOTAL PAGES OF SPEC AND DRAWINGS TOGETHER)</td> <td>\$250 for each additional 50 sheets</td> <td>X \$250.00</td> <td style="text-align: center;">0</td> </tr> <tr> <td colspan="5" style="text-align: right;"><b>TOTAL OF ABOVE CALCULATIONS =</b></td> <td style="text-align: center;">1260.00</td> </tr> </tbody> </table>					CLAIMS	NUMBER FILED	NUMBER ALLOWED	NUMBER EXTRA	RATE		Total claims	20	20	0	X \$50.00	0	Independent claims	3	3	0	X \$200.00	0	MULTIPLE DEPENDENT CLAIM(S) (if applicable)				X \$360.00	360.00	SIZE FEE 43 (TOTAL PAGES OF SPEC AND DRAWINGS TOGETHER)			\$250 for each additional 50 sheets	X \$250.00	0	<b>TOTAL OF ABOVE CALCULATIONS =</b>					1260.00	
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<b>TOTAL OF ABOVE CALCULATIONS =</b>					1260.00																																				
<input type="checkbox"/> Applicant claims small entity status. See 37 C.F.R. § 1.27. The fees indicated above are reduced by 1/2.																																									
<b>SUBTOTAL =</b>					1260.00																																				
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. 1.492(f)).					\$ 0																																				
<b>TOTAL NATIONAL FEE =</b>					1260.00																																				
Fee for recording the enclosed assignment (37 C.F.R. 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 per property +					\$ 40																																				
<b>TOTAL FEES ENCLOSED =</b>					1300.00																																				
\$					<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"><b>Amt. Refunded</b></td> <td style="width: 50%;">\$</td> </tr> <tr> <td><b>Amt. charged</b></td> <td></td> </tr> </table>	<b>Amt. Refunded</b>	\$	<b>Amt. charged</b>																																	
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<p>a. <input type="checkbox"/> Checks in the amounts of \$ and \$ to cover the above fees are enclosed.</p> <p>b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. 50-1314 in the amount of <u>1260.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-1314. A duplicate copy of this sheet is enclosed.</p> <p><b>NOTE:</b> Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</p> <p>SEND ALL CORRESPONDENCE TO:</p> <p><input checked="" type="checkbox"/> Customer Number <span style="border: 1px solid black; padding: 2px 10px;">000026021</span> →</p> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 45%;"> <p>HOGAN &amp; HARTSON L.L.P.            500 South Grand Avenue, Suite 1900            Los Angeles, California 90071            Phone: 213-337-6700            Fax: 213-337-6701</p> </div> <div style="width: 45%; text-align: center;">             SIGNATURE            Dariush G. Adli            REG.NO. 51,386            Express Mail Label No. EV 667 736 080 US            Date: December 6, 2005         </div> </div>																																									

Transmittal Letter to the United States Designated Office (DO/US)—Entry Into National Stage under 35 U.S.C. 371—PTO 1390 [13-7]

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

10/559740

In re application of:

Masakazu HIROSE et al.

Serial No: Not assigned

Filed: December 6, 2005

For: Piezoelectric Ceramic Composition and Piezoelectric  
Element

Art Unit: Not assigned

Examiner: Not assigned

CERTIFICATE OF MAILING VIA U.S. EXPRESS MAIL"Express Mail" Mailing Label No. EV 667 736 080 US

Date of Deposit: December 6, 2005

Mail Stop PCT

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Dear Sir:

I hereby certify that

- ☒ two copies of a letter of transmittal
- ☒ patent application ( 32 page(s) of specification; 20 claim(s); 1 page(s) of abstract
- ☒ 10 sheet(s) of formal drawings
- ☒ executed Declaration and Power of Attorney
- ☒ assignment of the invention to TDK CORPORATION
- ☒ Information Disclosure Statement with 2 references
- ☒ return postcard

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service with sufficient postage under 37 C.F.R. § 1.10 on the date indicated above and are addressed to:

Mail Stop PCT

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Date: December 6, 2005

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Joanna Alonso

Name of person mailing papers

Signature